

## REMARKS

Claims 5, 6 and 16 are now pending in the application. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

## DRAWINGS

The drawings stand objected to under 37 CFR 1.83(a) as failing to show every feature of the invention specified in the claims. The office action states that the "device for performing a surface treatment" must be shown or the feature canceled from the claim(s). Although Applicant does not necessarily agree, this feature is canceled from the claims. Accordingly, this objection is moot.

## SPECIFICATION

The specification stands objected to for allegedly failing to provide proper antecedent basis for the claimed subject matter. The office action states that "the device for performing a surface treatment" is unclear. Although Applicant does not necessarily agree, this feature is canceled from the claims. Accordingly, this objection is moot.

## REJECTION UNDER 35 U.S.C. § 102

Claims 5-6 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Miyamoto et al (U.S. 2002/0015800 A1). Claims 5 and 6 also stand rejected under 35 U.S.C. 102(b) as being anticipated by Duineveld et al (U.S. 2002/0060518 A1). These rejections are respectfully traversed.

Page 14 of the originally-filed specification describes that the present invention is based on the revelation that there should be no bulge of liquid drops where wiring is intended to be formed on a substrate. Therefore, it is necessary to control the overlapping of ejected liquid drops. The present invention was conceived based on this revelation.

Claim 5 calls for the ejected liquid drops to be disposed on the substrate such that predetermined regular intervals are formed therebetween in a first scanning movement. Claim 5 also calls for the liquid drops ejected in a second scanning movement to be disposed to fill the predetermined regular intervals. Support for this claimed subject matter may be found at least at page 14, line 3 to page 15, line 4 of the specification.

According to the claimed invention it is possible to realize great effects. For example, it is possible to achieve uniform thickness of the ejected liquid drops while preventing bulges of the liquid drops, and also to form wiring having a desirable edge shape. Therefore, it is possible to form wiring having sufficient thickness which is desirable for conducting electricity while preventing disconnections and short-circuits of the wiring.

In contrast, Miyamoto et al. discloses a method for manufacturing a substrate used for displaying images using an ink jet method. In the method of Miyamoto et al., the surface energy on the substrate is controlled before ejecting liquid drops containing functional material onto the substrate so that a contact angle of the liquid drops with respect to the substrate is at 20 to 50 degrees (see Claim 1 and paragraph [0045] in Miyamoto et al.).

Duineveld et al. also discloses a method for controlling a contact angle of liquid drops containing functional material with respect to the substrate used for electroluminescent devices.

However, the claimed feature that "the ejected liquid drops are disposed on the substrate such that predetermined regular intervals are formed therebetween in the first scanning movement, and the liquid drops ejected in the second scanning movement are disposed to fill the predetermined regular intervals" is not suggested or disclosed in either Miyamoto or Duineveld. Therefore, neither Miyamoto nor Duineveld nor the combination thereof teach or suggest the claimed invention. As such, neither Miyamoto nor Duineveld nor the combination thereof can realize the effects of the claimed invention, e.g., forming wiring having sufficient thickness desirable for conducting electricity while preventing disconnections and short-circuits in the wiring.

In view of the foregoing, the Applicant believes that the invention according to Claim 5, as well as Claim 6 depending therefrom, is in condition for allowance. Accordingly, reconsideration and withdrawal of these rejections are respectfully requested.

#### **NEW CLAIM**

New Claim 16 is added. Claim 16 depends from claim 5 and includes further recitations regarding the regular intervals of the ejected liquid drops recited in Claim 5. Support for Claim 16 may be found at least at page 20, lines 19 to 21 of the specification. Favorable consideration of new claim 16 is respectfully requested.

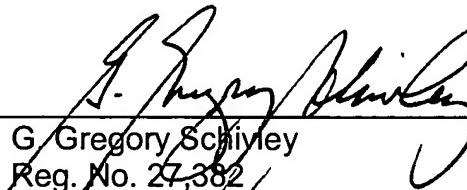
**CONCLUSION**

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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By:

  
G. Gregory Schivley  
Reg. No. 27,382  
Bryant E. Wade  
Reg. No. 40,344

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

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